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(21)Application number : 07-206700 (71)Applicant : SEIKAGAKU KOGYO CO LTD
 (22)Date of filing : 21.07.1995 (72)Inventor : MIURA RIYUU
 YAMAGATA SADAKO
 YAMAGATA TATSUYA

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(54) GLYCOSAMINOGLYCAN DERIVATIVE, GEL OF ACRYLAMIDE COPOLYMER OF THE DERIVATIVE, AND ENZYME IDENTIFICATION METHOD

(57)Abstract:

PURPOSE: To obtain a specific glycosaminoglycan derivative which readily copolymerizes with acrylamide to give a copolymer gel useful in the identification of a glycosaminoglycan hydrolase.

CONSTITUTION: This glycosaminoglycan derivative has a structure comprising a residue (a) having a reduced terminal saccharide and an allyl-terminated compound bonded to the saccharide through an aminoalkyl or acid amide bond. It is represented by the formula (wherein GAG-R' is the residue (a), and R' is CH₂ or CO). The glycosaminoglycan is preferably selected from among hyaluronic acid, chondroitin, chondroitin sulfate, dermatan sulfate, heparin, keratan sulfate, and heparan sulfate.



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